



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

KML Windows, Inc.
23 Buchanan Court
London, On N5Z 4P9

Your application for Notice of Acceptance (NOA) of:

Aluminum Clad Sash Glazed Wood Fixed Windows - Non-Impact & Impact Resistant

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 00-1030.06
EXPIRES: 09/20/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 09/20/2001

KML Windows, Inc.

ACCEPTANCE No.: 00-1030.06

APPROVED: SEP 20 2001

EXPIRES: SEP 20 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1** This approves a wood fixed window as described in section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1** The **Aluminum Clad Sash Glazed Wood Fixed Window – Non-impact & Impact Resistant** and its components shall be constructed in strict compliance with the following document: Drawing No. **1003B**, Sheets 1 thru 8 of 8, titled "Aluminum Clad Wood Sash Glazed Fixed Windows," prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 8/23/00, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1** This approval applies to single unit applications, as shown in approved drawings.
3.2 Units with dimensions equal to or smaller than those shown in approved drawings shall qualify under this approval.

4. INSTALLATION:

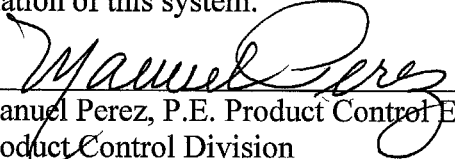
- 4.1** The wood fixed window and its components shall be constructed in strict compliance with the approved drawings.
4.1 Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding table in approved drawing.

5. LABELING

- 5.1** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

- 6.1** Application for building permit shall be accompanied by two copies of the following:
- 6.1.1** This Notice of Acceptance.
 - 6.1.2** Duplicate copies of the approved drawings, as identified in section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
 - 6.1.3** Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

KML Windows, Inc.

ACCEPTANCE No.: 00-1030.06

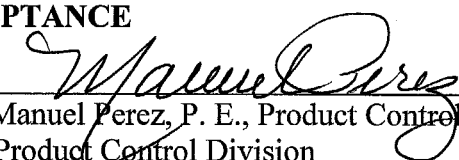
APPROVED: SEP 20 2001

EXPIRES: SEP 20 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process;
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The engineer does not need to reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Acceptance contains pages 1, 2, and this last page 3.

END OF THIS ACCEPTANCE


Manuel Perez, P. E., Product Control Examiner
Product Control Division

KML Windows, Inc.

ACCEPTANCE No.: 00-1030.06

APPROVED: SEP 20 2001

EXPIRES: SEP 20 2006

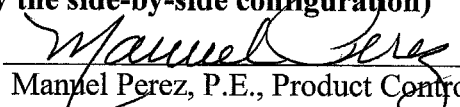
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA.)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1003B**, Sheets 1 thru 8 of 8, titled "Aluminum Clad Wood Sash Glazed Fixed Windows," prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 8/23/00, signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202-94
3) Water Resistance Test, per SFBC, PA 202-94
4) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with marked-up drawings and installation diagram of a wood fixed window, prepared by Intertek Testing Services, Test Report No. **ITS-J99022770-231-03**, dated October 9, 2000, signed and sealed by Douglas Keith Tucker, P.E.
2. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202-94
3) Water Resistance Test, per SFBC, PA 202-94
along with marked-up drawings and installation diagram of a wood fixed window, prepared by Intertek Testing Services, Test Report No. **ITS-J99022770-231-04**, dated October 9, 2000, signed and sealed by Douglas Keith Tucker, P.E.
3. Test reports on: 1) Air Infiltration Test, per SFBC, PA 202-94.
2) Uniform Load Static Air Pressure Test, per SFBC, PA 202-94.
3) Water Resistance Test, per SFBC, PA 202-94.
4) Forced Entry Resistance Test, per AAMA 1302.5.
5) Large Missile Impact Test, per SFBC, PA 201-94.
6) Cyclic Wind Pressure Loading Test, per SFBC, PA 203-94.
along with installation diagram of aluminum clad wood operable casement windows of different shapes, prepared by Intertek Testing Services, Inc., Report No. **ITS-J990225770-231-05**, dated October 10, 2000, signed and sealed by Douglas Keith Tucker, P.E.
4. Test reports on 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94.
3) Water Resistance Test, per PA 202-94.
along with installation diagram of aluminum clad wood operable casement windows of different shapes, prepared by Intertek Testing Services Inc., Test Report No. **J99022770-231-06**, dated October 11, 2000, signed and sealed by Douglas Keith Tucker, P.E
Addendum letter dated March 20, 2001, signed and sealed by Douglas Keith Tucker, P.E
(#3 & #4 are for reference only, to qualify the side-by-side configuration)


Manuel Perez, P.E., Product Control Examiner
Product Control Division

KML Windows, Inc.

ACCEPTANCE No.: 00-1030.06

APPROVED: SEP 20 2001

EXPIRES: SEP 20 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA.)

C. CALCULATIONS

1. Anchor Calculations and structural analysis prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 08/23/00, signed and sealed by Warren W. Schaefer, P.E.

D. MATERIAL CERTIFICATIONS

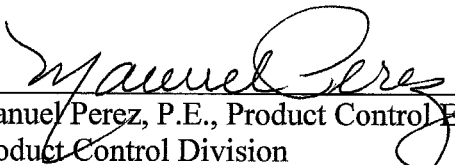
1. Notice of Acceptance No. **00-0524.06** issued to Nebula Glass International Inc. for "Glasslam Safety-Plus Laminated Glass" dated 09/09/00, expiring on 09/09/03.

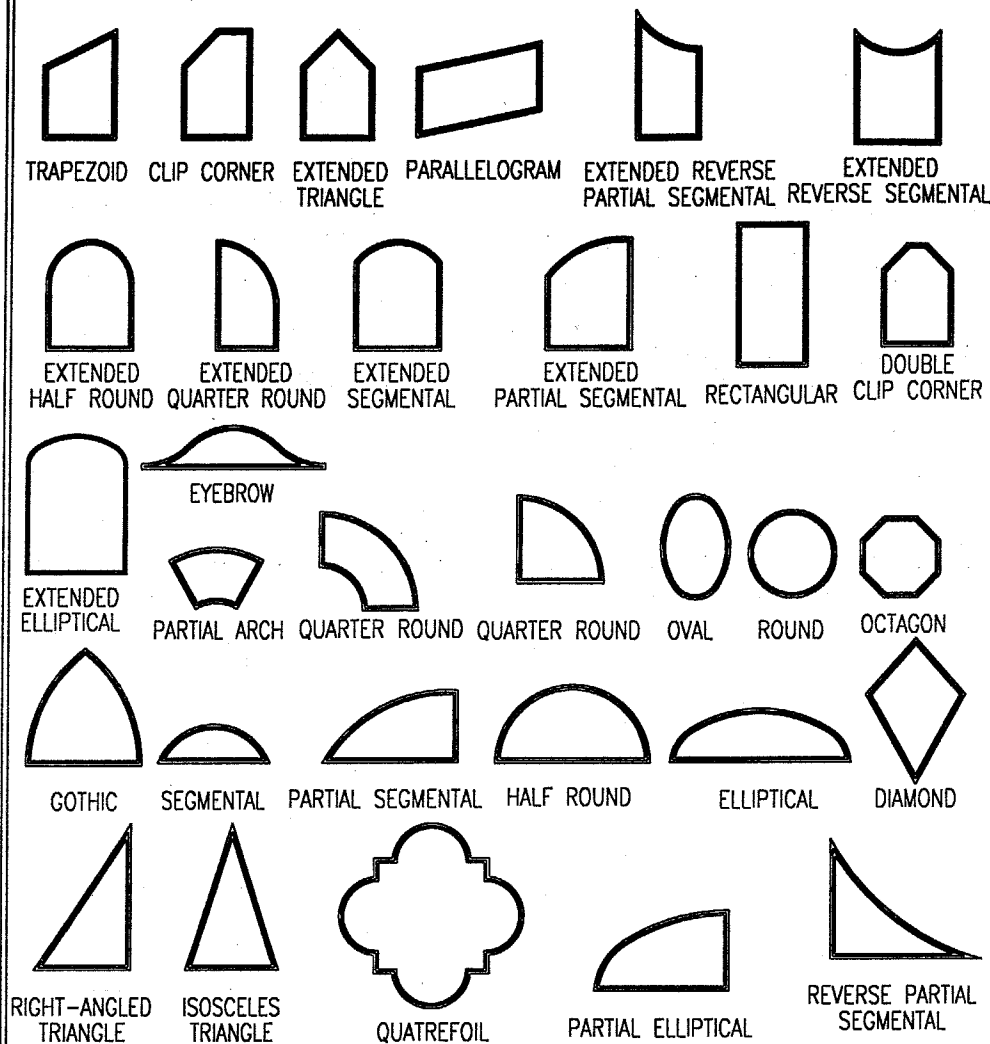
E. STATEMENTS:

1. Statement letter of conformance, dated October 19, 2000, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated October 19, 2000, signed and sealed by Warren W. Schaefer, P.E.

F. OTHERS:

1. None.


Manuel Perez, P.E., Product Control Examiner
Product Control Division



SHAPES CONSIDERED AS PART OF THIS APPROVAL
FOR BOTH IMPACT & NON-IMPACT

GENERAL NOTES

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE LOAD TABLES ON SHEET 1, 2 & 7.
2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE DESIGNED & INSTALLED TO WITHSTAND WIND LOADS AS DETERMINED FOR EA. APPLICATION
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA 201, 202 & 203 FOR BOTH IMPACT & NON-IMPACT WINDOWS.
5. ALL JAMB TO BUCKING SHEAR FASTENERS MUST PENETRATE BUCK A MINIMUM OF 1 3/8". IF PENETRATION IS LESS THAN 1 3/8" THEN SCREW LENGTH SHALL INCREASE AS REQUIRED.
6. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE, 1994 EDITION.
7. THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS PA-201, PA-202 & PA-203 FOR LARGE MISSILE IMPACT, STRUCTURAL & CYCLIC TESTING.
8. THE LARGER WINDOW DIMENSION MAY BE EITHER HORIZONTAL OR VERTICAL.
9. FOR ALL NON-IMPACT WINDOWS, MIAMI-DADE COUNTY APPROVED SHUTTERS ARE REQUIRED.

ALL ELEVATIONS VIEWED
FROM EXTERIOR

NOTE: FOR COMBINATION OF
UNITS. SEE MULLION
DRAWING NO. 1003E

SIZE NOTE:

FOR IMPACT WINDOWS, THE LARGER WINDOW DIMENSION MAY BE INCREASED TO AS MUCH AS 144" PROVIDING THE SMALLER DIMENSION IS DECREASED PER THE TABLE BELOW. FOR NON-IMPACT WINDOW SIZES & LOADS, SEE THE LOAD TABLES ON SHEET 7.

HEIGHT	MAX. ALLOWABLE WIDTH
126"	57"
132"	54"
138"	52"
144"	50"

ALLOWABLE DESIGN LOADS

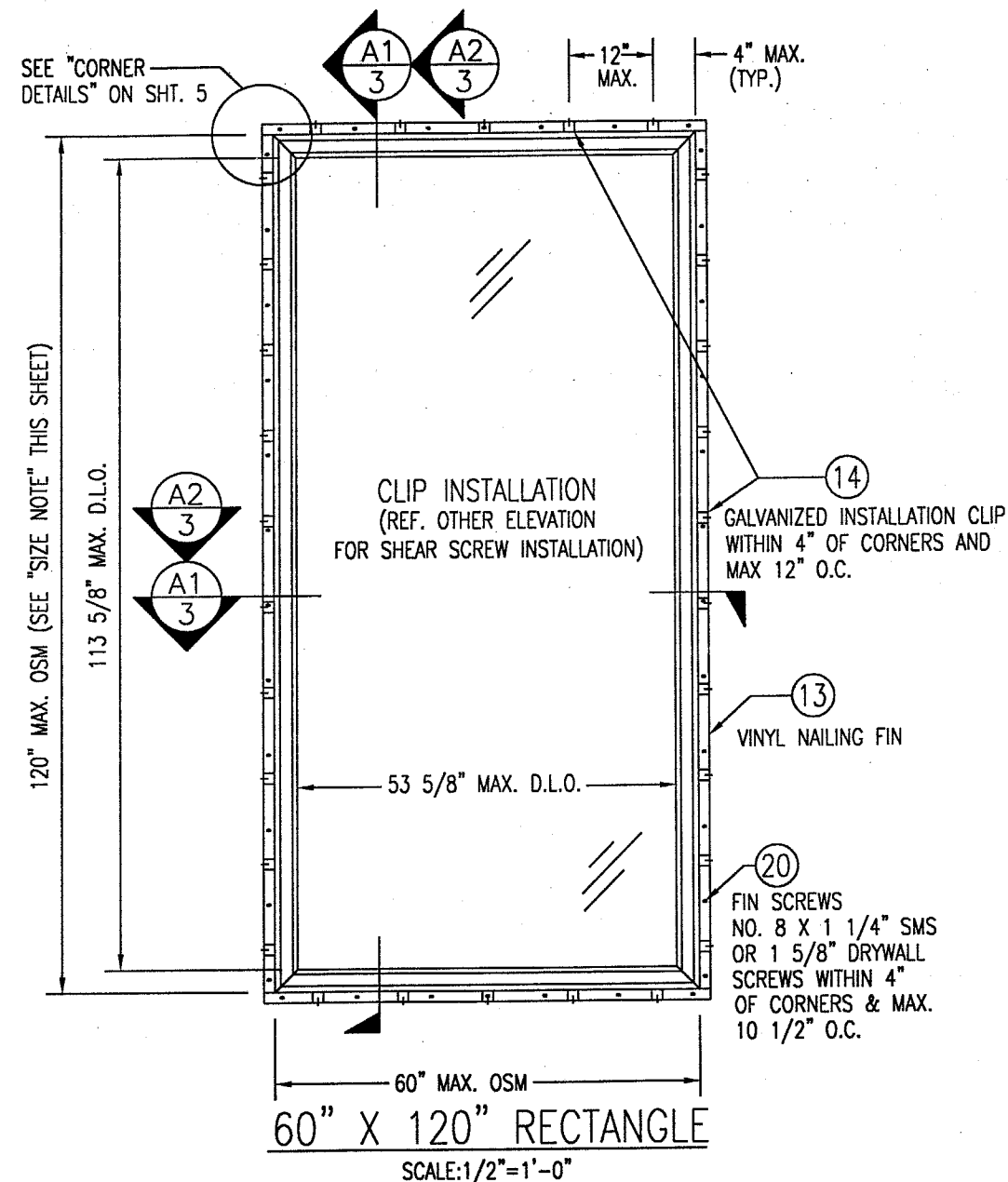
IMPACT UNITS	+70 PSF & -80 PSF
NON-IMPACT UNITS	SEE "NON-IMPACT LOAD TABLE" ON SHEET 7

JAMB FASTENER MIN. EMBEDMENT INTO OPENING OR BUCK

NO. 10 SMS SCREWS INTO BUCK = 1 3/8"
1/4" TAPCON INTO CONCRETE/BLOCK = 1 1/4"

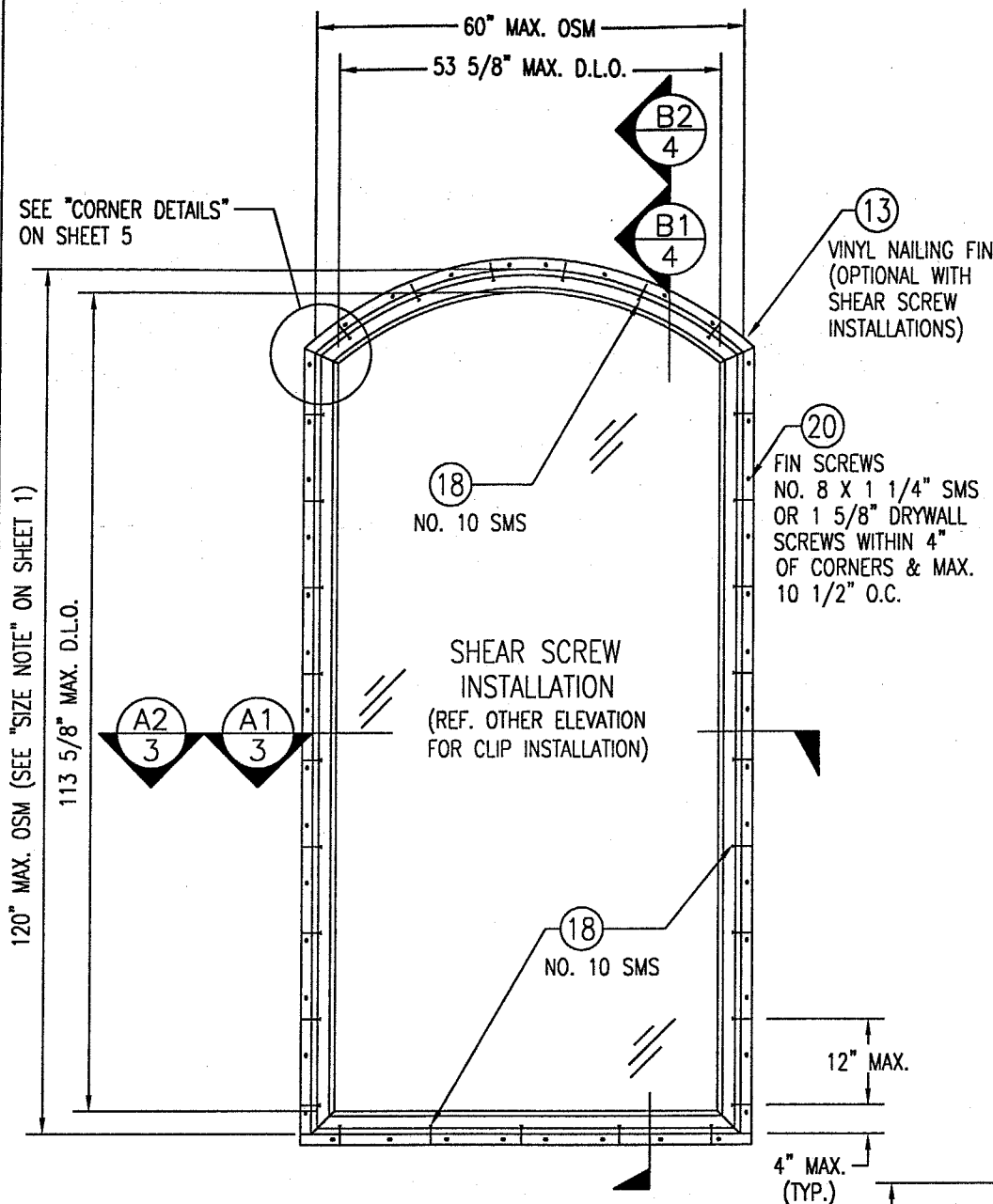
JAMB FASTENER MINIMUM EDGE DISTANCE AT OPENING OR BUCK

WOOD BUCK = 1"
CONCRETE/BLOCK = 2"



APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **SEP 20 2001**
BY *Warren W. Schaefer*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-1030-06**

DRAWN BY: T.M.H.		DATE: 08/23/00	
CHECKED BY: W.W.S.		DATE: 08/23/00	
PLOT: 1-24			
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: ALUMINUM CLAD WOOD SASH GLAZED FIXED WINDOWS (DADE)			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: KML WINDOWS, INC.	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012	
CERTIFICATION: APR 04 2001		P.E. NO. 44155	
DRAWING NO. 1003B		REV. 1	
SHEET NO. 1		OF 8	



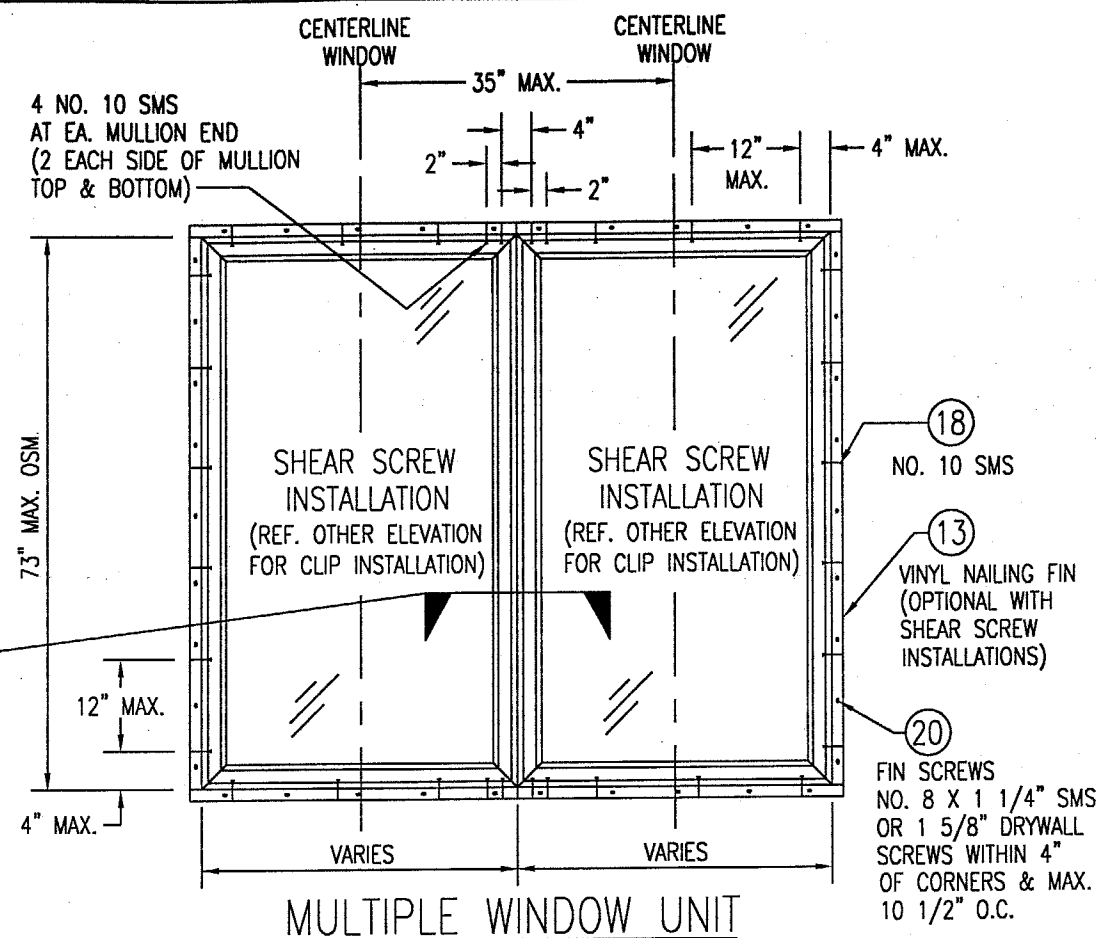
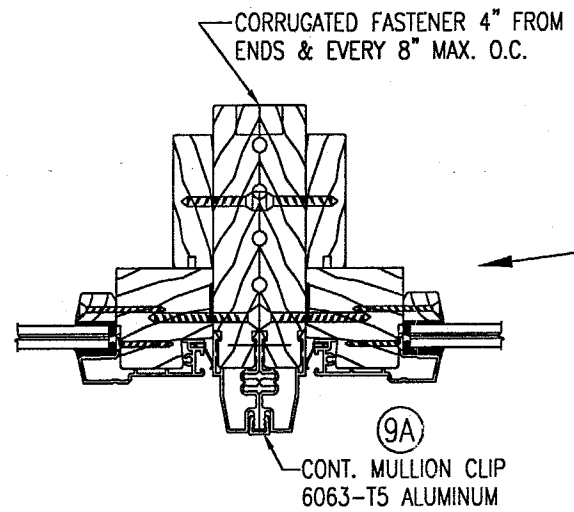
60" X 120" EXTENDED SEGMENTAL
SCALE: 1/2" = 1'-0"

ALLOWABLE DESIGN LOADS	
IMPACT UNITS	+70 PSF & -80 PSF
NON-IMPACT UNITS	SEE "NON-IMPACT LOAD TABLE" ON SHEET 7

FOR JAMB FASTENER EMBED & EDGE DISTANCE REQUIREMENTS, SEE SHEET 1

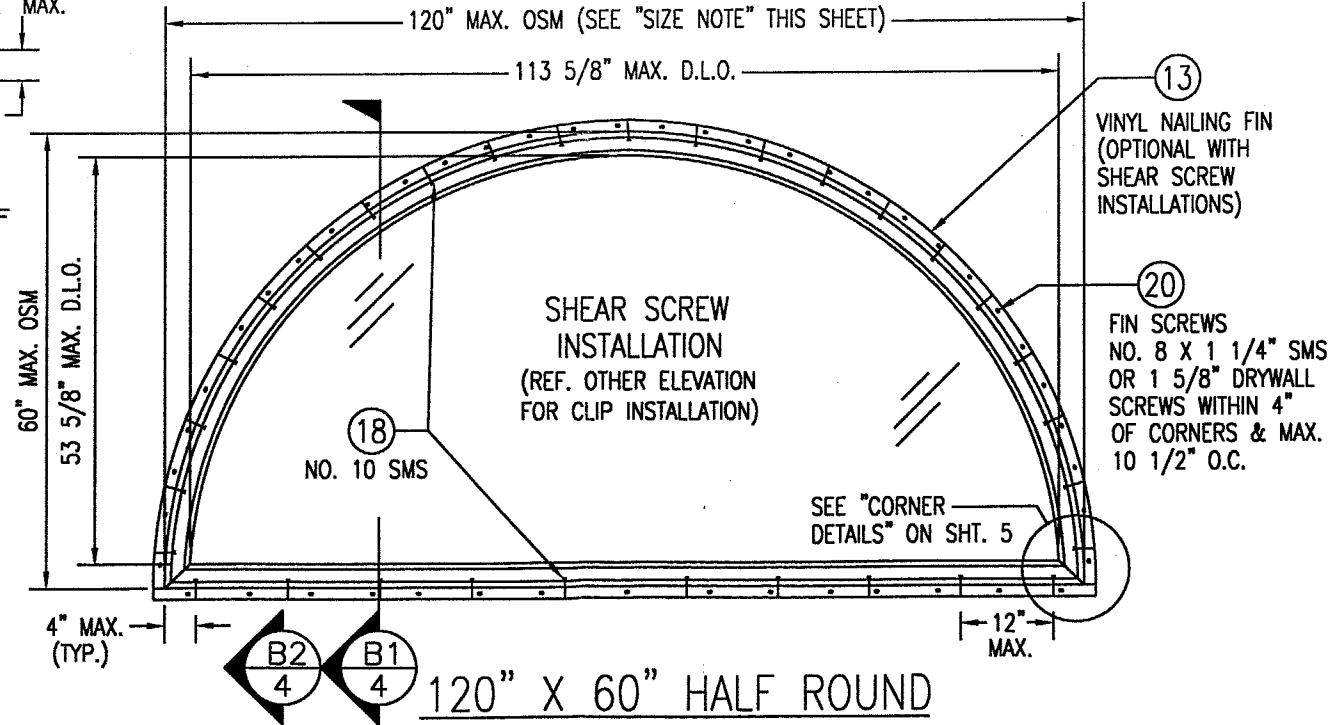
ALL ELEVATIONS VIEWED FROM EXTERIOR

NOTE: FOR COMBINATION OF UNITS SEE THIS SHEET & MULLION DRAWING NO. 1003E



MULTIPLE WINDOW UNIT
SCALE: 1/2" = 1'-0"

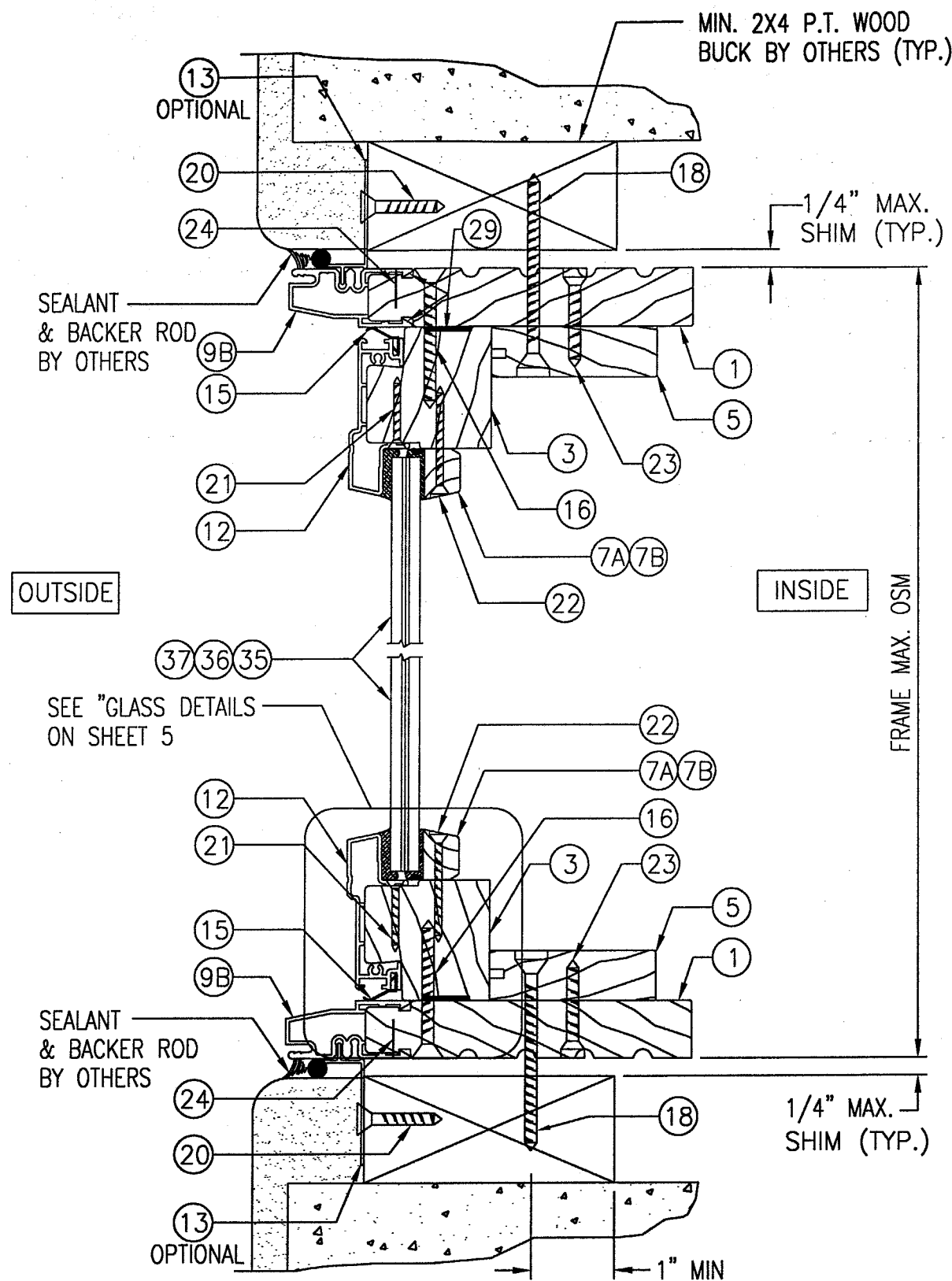
MAXIMUM ALLOWABLE DESIGN LOAD = +65/-70 PSF FOR MULTIPLE WINDOW UNITS WITHOUT MULLION REINFORCEMENT PROVIDING THE MAX. DIMENSIONS SHOWN ARE NOT EXCEEDED. FOR OTHER WINDOW SIZES AND COMBINATIONS, SEE MULLION DRAWING NO. 1003E.



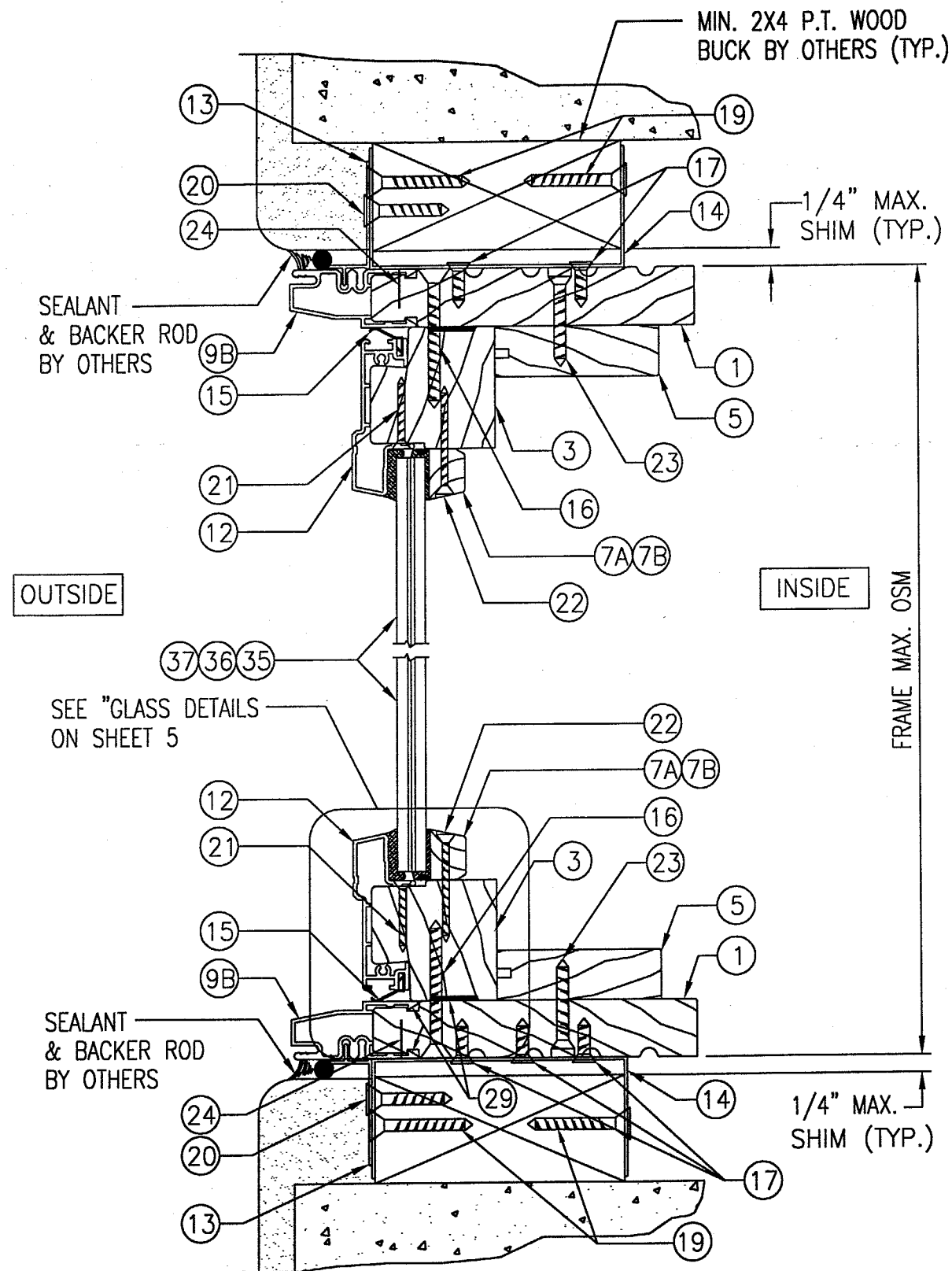
120" X 60" HALF ROUND
SCALE: 1/2" = 1'-0"

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE SEP 20 2001
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1030-06

DRAWN BY: T.M.H. DATE: 08/23/00		CHECKED BY: W.W.S. DATE: 08/23/00	
PLOT: 1-24			
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: ALUMINUM CLAD WOOD SASH GLAZED FIXED WINDOWS (DADE)		MANUFACTURER: KML WINDOWS, INC.	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403		(519)681-7012	
PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION: APR 04 2001		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1003B		REV. 2 OF 8	



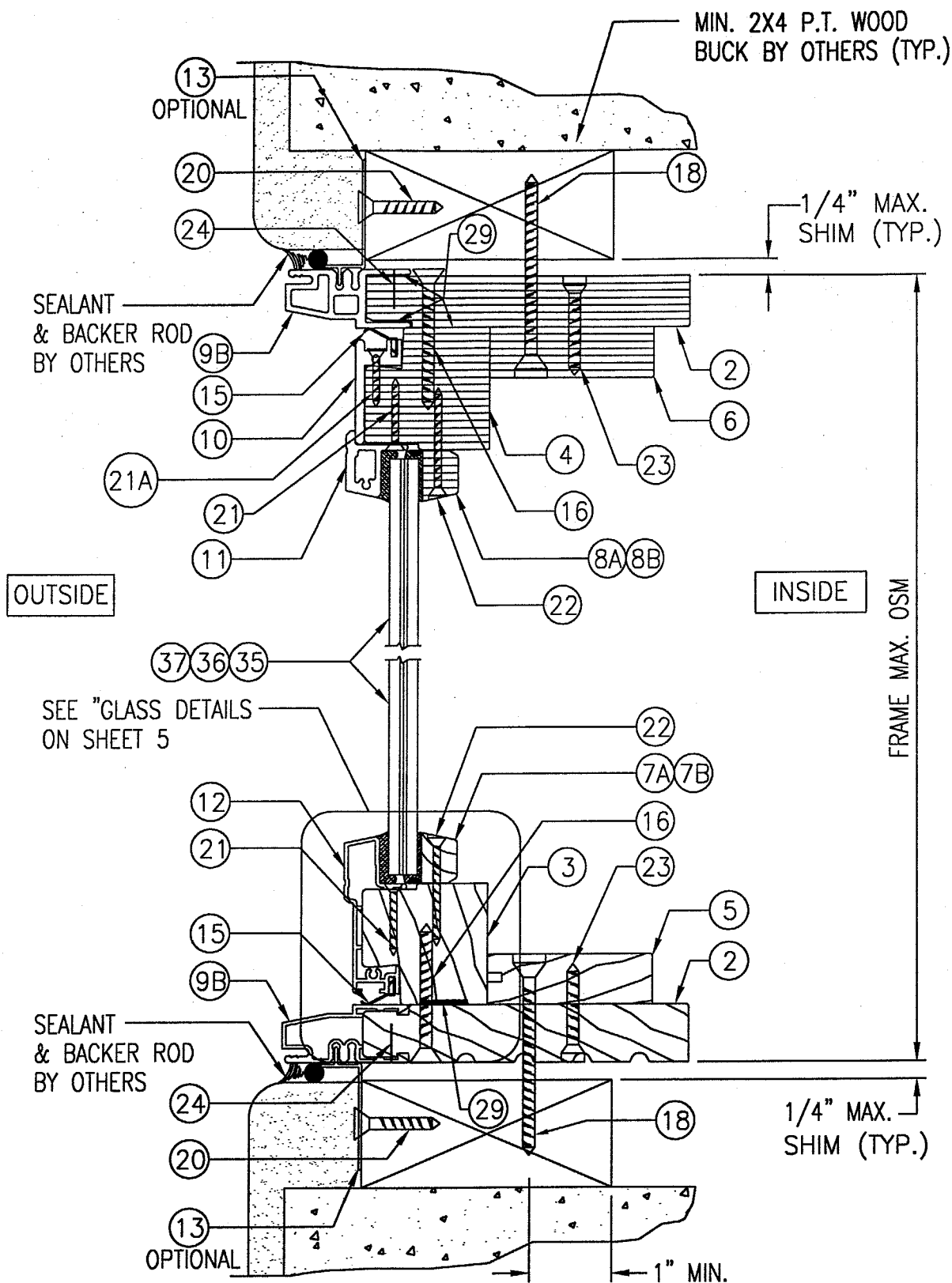
SECTION A1
SCALE: HALF FULL SIZE
(NOTE: HORIZONTAL SECTION IS THE SAME)
SHEAR SCREW
INSTALLATION



SECTION A2
SCALE: HALF FULL SIZE
(NOTE: HORIZONTAL SECTION IS THE SAME)
CLIP
INSTALLATION

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **SEP 20 2001**
BY *Warren W. Schaefer*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-1030-0**

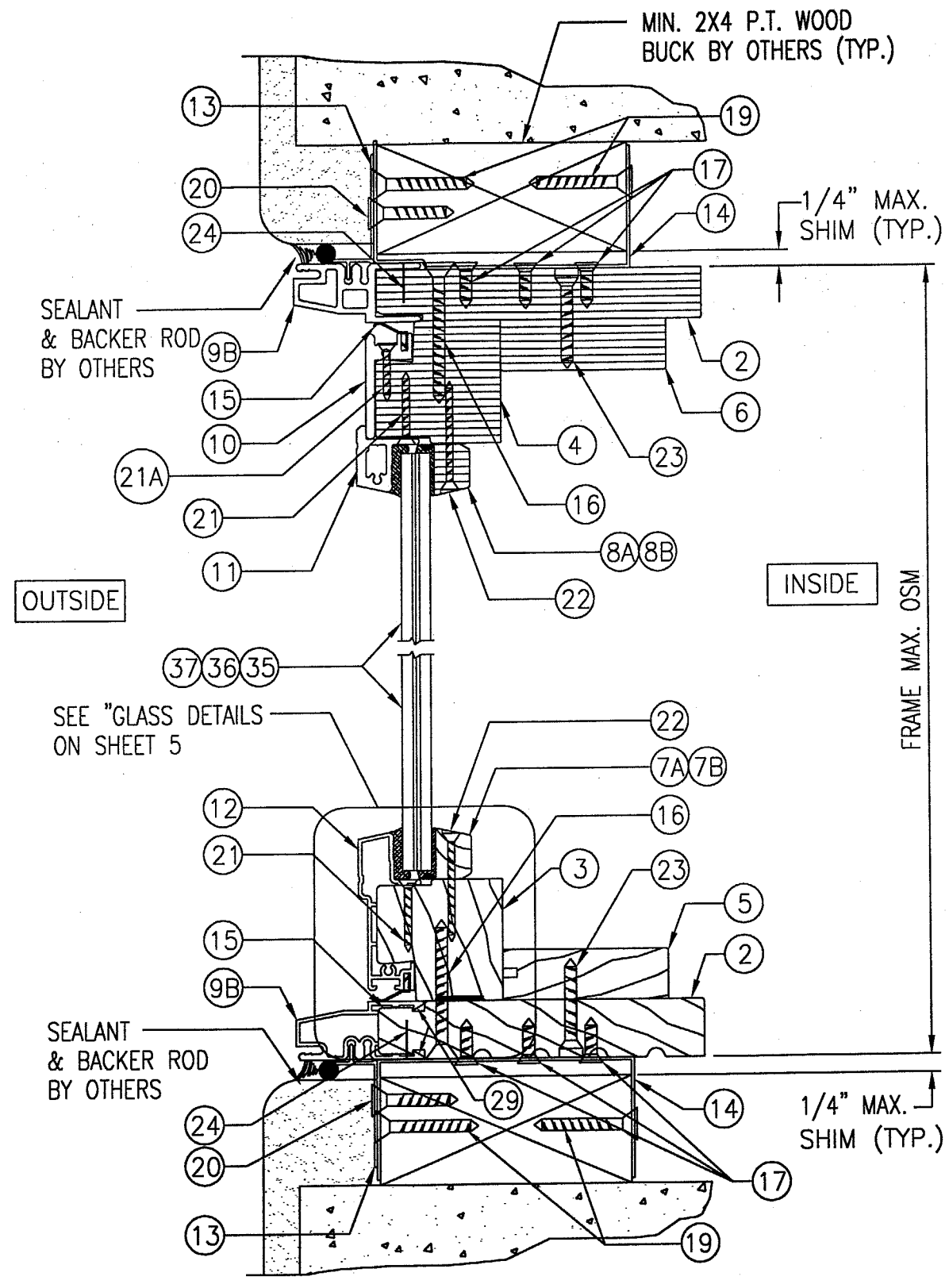
DRAWN BY: T.M.H.		DATE: 08/23/00	
CHECKED BY: W.W.S.		DATE: 08/23/00	
PLOT: 2:1			
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: ALUMINUM CLAD WOOD SASH GLAZED FIXED WINDOWS (DADE)			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519) 681-7012	
CERTIFICATION APR 04 2001 <i>Warren W. Schaefer</i> WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1003B		REV. 3	
SHEET NO. 3		OF 8	



SECTION

SCALE: HALF FULL SIZE

SHEAR SCREW
INSTALLATION



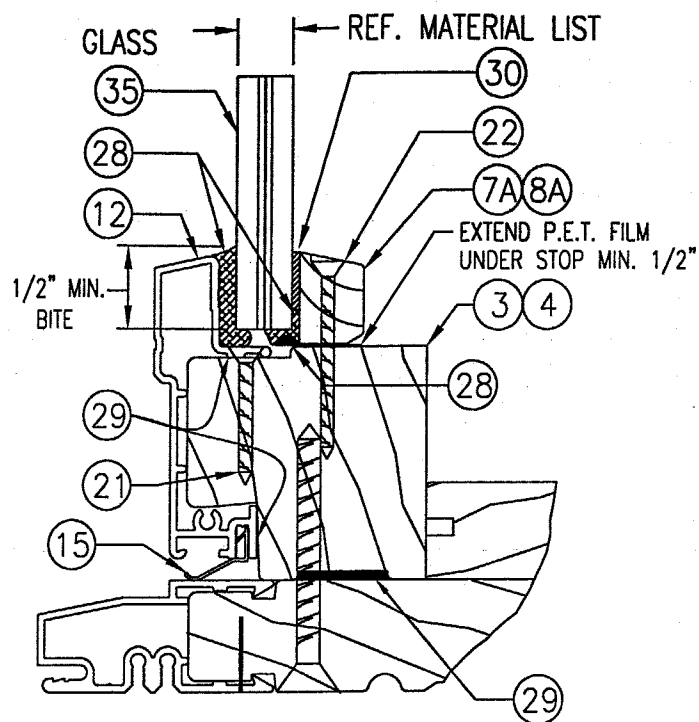
SECTION

SCALE: HALF FULL SIZE

CLIP
INSTALLATION

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **SEP 20 2001**
BY *Manuel Serr*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-1030-06**

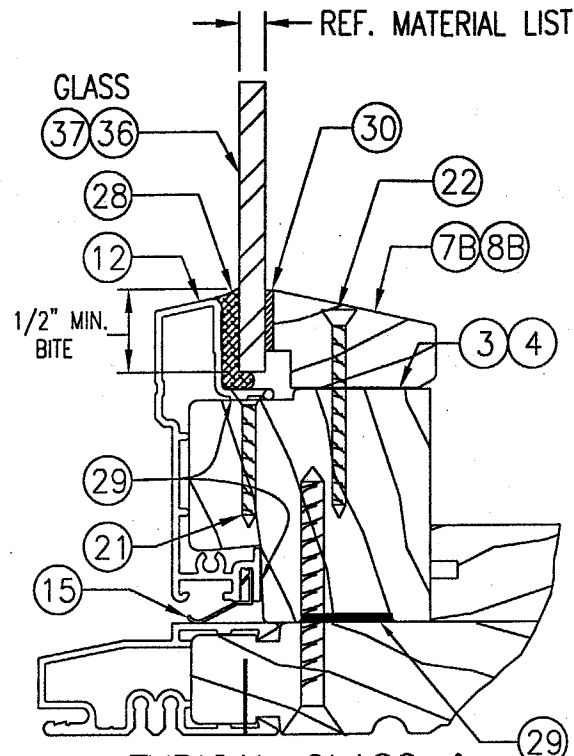
DRAWN BY: T.M.H.		DATE: 08/23/00	
CHECKED BY: W.W.S.		DATE: 08/23/00	
PLOT: 2:1			
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: ALUMINUM CLAD WOOD SASH GLAZED FIXED WINDOWS (DADE)			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER: KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012	
CERTIFICATION APR 04 2004 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1003B REV. 4 SHEET NO. 8	



TYPICAL GLASS &
GLAZING DETAIL
IMPACT UNITS

SCALE: 3/4 FULL SIZE

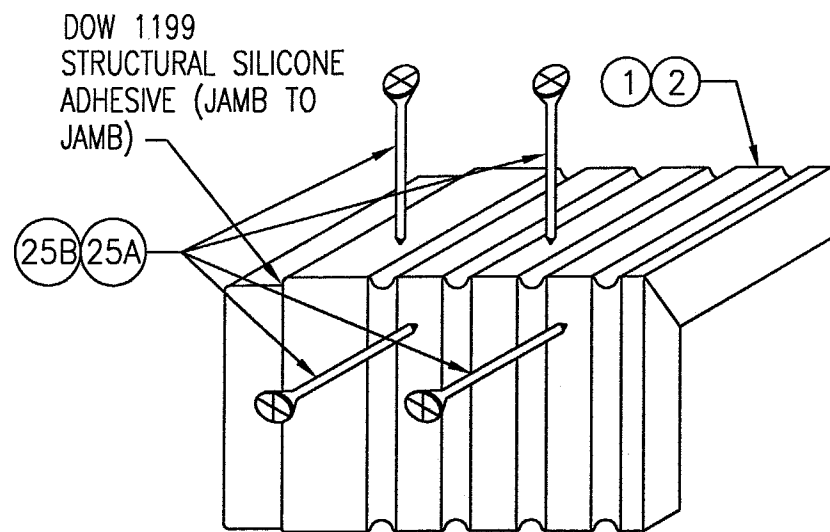
1/2" NEBULA GLASSLAM SAFETY-PLUS LAMINATED
GLASS WITH 3/16" (5 mm) HT. STR. PANES &
0.06" RESIN/0.01" P.E.T./0.06" RESIN INNER LAYER



TYPICAL GLASS &
GLAZING DETAIL
NON-IMPACT UNITS

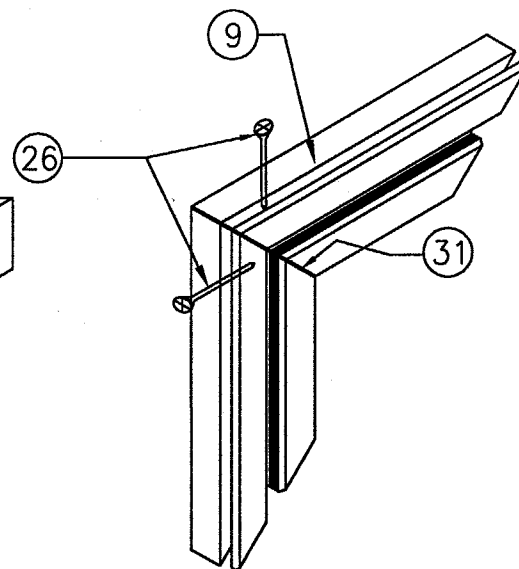
SCALE: 3/4 FULL SIZE

5/32" (4 mm) TEMPERED OR 1/4" (6 mm) TEMPERED
(SEE LOAD TABLES)



JAMB TO JAMB DETAIL

SCALE: N.T.S.

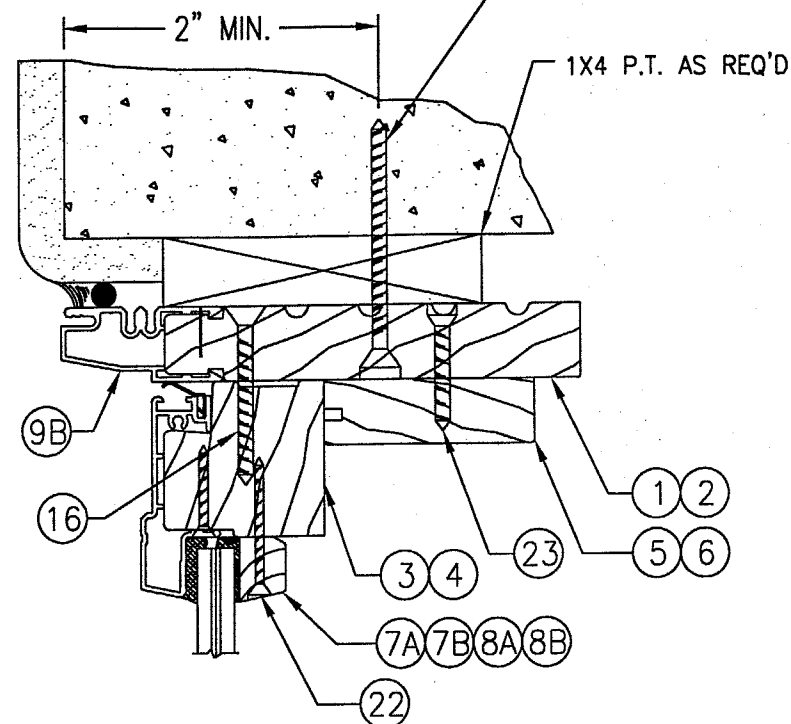


CLAD TO CLAD DETAIL

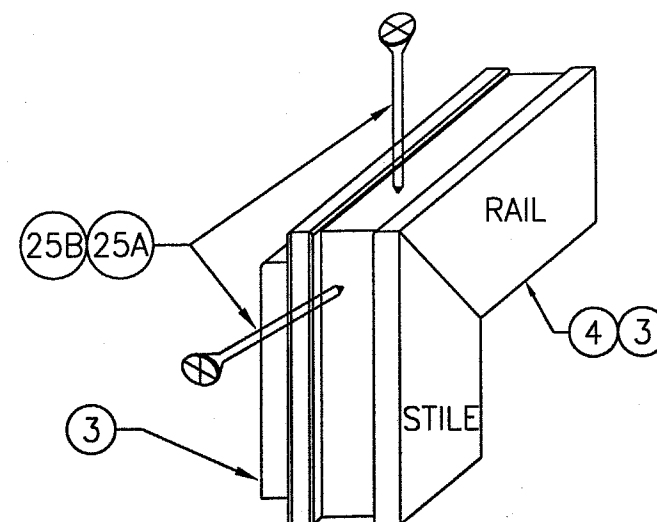
SCALE: N.T.S.

JAMB CORNER DETAILS

1/4" TAPCON 4" FROM CORNERS AND MAX. 12" O.C.
TAPCON LENGTH AS REQUIRED FOR MIN. 1 1/4"
CONCRETE OR BLOCK EMBED



OPTIONAL JAMB DETAIL FOR
DIRECT MOUNT TO CONCRETE OR BLOCK
(TYP. ALL UNITS)



SASH STILE TO RAIL CORNER DETAIL

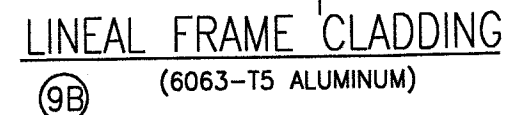
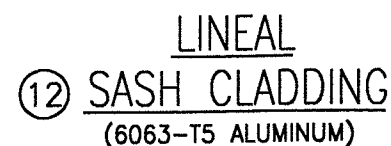
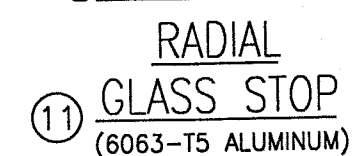
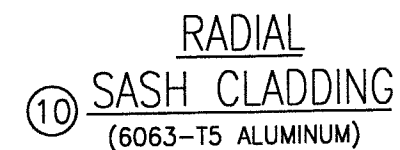
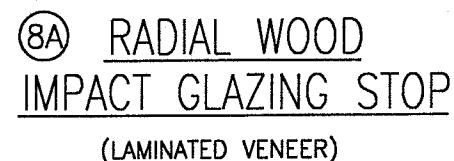
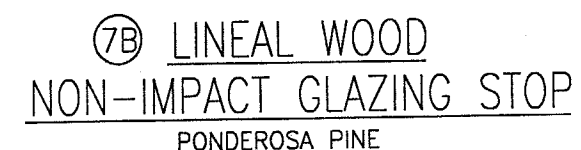
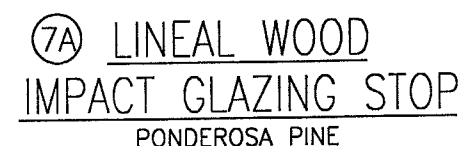
SCALE: N.T.S.


NOTE: CLAD CORNER IS MITERED & FASTENED WITH
1 NO. 6 X 1" SMS INTO SPLINE & GASKETED
WITH (31) (SIMILAR TO JAMB CLAD CORNERS EXCEPT
WITH ONE SCREW)

NOTE:
WOOD SASH CORNERS SECURED
WITH PVA WOOD GLUE @
STILE & RAIL JOINTS
IN ADDITION TO SCREWS

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE SEP 20 2001
BY Warren W. Schaefer
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1030-06

DRAWN BY: T.M.H.		DATE: 08/23/00	
CHECKED BY: W.W.S.		DATE: 08/23/00	
PLOT: 2:1			
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: ALUMINUM CLAD WOOD SASH GLAZED FIXED WINDOWS (DADE)			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903			
MANUFACTURER: KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012			
CERTIFICATION		APR 04 2001	
DRAWING NO. 1003B		REV. 5 OF 8	

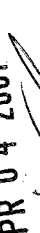


DRAWING NO. 1003B	SHEET NO. 6 of 8	CERTIFICATION APR 04 2001  WARREN W. SCHAEFER, P.E.	DRAWING TITLE ALUMINUM CLAD WOOD SASH GLAZED FIXED WINDOWS (DADE)	CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE; SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4903 FAX: 561-775-4903	MANUFACTURER KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012	NO. REVISION DESCRIPTION BY DATE	DRAWN BY: T.M.H. CHECKED BY: W.W.S. DATE: 08/23/00 DATE: 08/23/00 PLOT: 1:1

DESIGN LOAD CAPACITY (PSF) NON-IMPACT WINDOWS ONLY					
WINDOW SIZE (OSM)		GLASS 36		GLASS 37	
WIDTH	HEIGHT	POS	NEG	POS	NEG
24"	36"	100	160	100	200
30"		100	128	100	160
36"		93	107	100	133
42"		93	107	100	133
48"		93	107	100	133
54"		93	107	100	133
60"		93	107	100	133
66"		93	107	100	133
72"		93	107	100	133
24"	48"	100	160	100	200
30"		100	128	100	160
36"		93	107	100	133
42"		80	91	100	114
48"		70	80	88	100
54"		70	80	88	100
60"		70	80	88	100
66"		70	80	88	100
72"		70	80	88	100
24"	60"	100	160	100	188
30"		100	128	100	160
36"		93	107	100	133
42"		80	91	100	114
48"		70	80	88	100
54"		62	71	78	89
60"		56	64	70	80
66"		56	64	70	80
72"		56	64	70	80
24"	72"	100	160	100	180
30"		100	128	100	152
36"		93	107	100	133
42"		80	91	100	114
48"		70	80	88	100
54"		62	71	78	89
60"		56	64	70	80
66"		—	—	64	73
72"		—	—	58	67
24"	84"	100	160	100	175
30"		100	128	100	146
36"		93	107	100	127
42"		80	91	100	114
48"		70	80	88	100
54"		62	71	78	89
60"		—	—	70	80
66"		—	—	64	73
72"		—	—	58	67

DESIGN LOAD CAPACITY (PSF) NON-IMPACT WINDOWS ONLY					
WINDOW SIZE (OSM)		GLASS 36		GLASS 37	
WIDTH	HEIGHT	POS	NEG	POS	NEG
24"	96"	100	160	100	171
30"		100	128	100	142
36"		93	107	100	123
42"		80	91	100	110
48"		70	80	88	100
54"		—	—	78	89
60"		—	—	70	80
66"		—	—	64	73
72"		—	—	58	67
24"	108"	100	142	100	169
30"		100	114	100	139
36"		83	95	100	120
42"		71	81	93	106
48"		—	—	84	96
54"		—	—	78	89
60"		—	—	70	80
66"		—	—	64	73
72"		—	—	—	—
24"	120"	100	128	100	167
30"		90	102	100	137
36"		75	85	100	118
42"		—	—	91	104
48"		—	—	82	94
54"		—	—	75	86
60"		—	—	70	80
66"		—	—	—	—
72"		—	—	—	—
24"	132"	100	116	100	165
30"		81	93	100	135
36"		—	—	100	116
42"		—	—	89	102
48"		—	—	80	91
54"		—	—	71	81
60"		—	—	—	—
66"		—	—	—	—
72"		—	—	—	—
24"	144"	93	107	100	164
30"		75	85	100	133
36"		—	—	97	111
42"		—	—	83	95
48"		—	—	73	83
54"		—	—	—	—
60"		—	—	—	—
66"		—	—	—	—
72"		—	—	—	—

NOTE: HEIGHT & WIDTH
CAN BE INTERCHANGED


CERTIFICATION APR 04 2001  WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1003B		REV.
	SHEET NO. 7 OF 8		
DRAWING TITLE ALUMINUM CLAD WOOD SASH GLAZED FIXED WINDOWS (DADE)			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE; SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012	
DRAWN BY: T.M.H.	DATE: 08/23/00		
CHECKED BY: W.W.S.	DATE: 08/23/00		
PLOT: FULL			
NO.	REVISION DESCRIPTION	BY	DATE

MATERIAL LIST			
PART NO.	REF. NO.	DESCRIPTION	NOTES
PARTS & EXTRUSIONS			
1	PF1010	LINEAL JAMB	SEE NOTE 1 THIS SHEET.
2	PF1231	RADIAL JAMB	LAMINATED VENEER
3	PF1454	LINEAL SASH	SEE NOTE 1 THIS SHEET.
4	PF1454	RADIAL SASH	LAMINATED VENEER
5	PF1455	LINEAL SASH STOP	SEE NOTE 1 THIS SHEET.
6	PF1455	RADIAL SASH STOP	LAMINATED VENEER
7A	PF1008	LINEAL GLAZING STOP	SEE NOTE 1 (USED WITH IMPACT UNITS)
7B	PF1011	LINEAL GLAZING STOP	SEE NOTE 1 (USED WITH NON-IMPACT UNITS)
8A	PF1008	RADIAL GLAZING STOP	LAMINATED VENEER (USED WITH IMPACT UNITS)
8B	PF1011	RADIAL GLAZING STOP	LAM. VENEER (USED WITH NON-IMPACT UNITS)
9	PF1001	RADIAL FRAME CLADDING	ALUMINUM 6063-T5
9A	PMC73	MULLION CAP	ALUMINUM 6063-T5
9B	PF1002	LINEAL FRAME CLADDING	ALUMINUM 6063-T5
10	PF1018	RADIAL SASH CLADDING	ALUMINUM 6063-T5
11	PF1017	RADIAL GLASS STOP	ALUMINUM 6063-T5
12	PF1074	LINEAL SASH CLADDING	ALUMINUM 6063-T5
13	PF1214 or PF1326	VINYL NAILING FINIS	OPTIONAL
14	SK1031	GALVANIZED 16 GA. STEEL INSTALLATION CLIP	GALVANIZED STEEL, INC. (Fy = 33 KSI MIN.) 4" FROM CORNERS & 12" O.C.
15	PF1026	0.415" X 0.489" RAINSKIRT	SCHLEGEL: EXTRUDED FLEXIBLE COPOLYMER
FASTENERS			
16	-	#8 x 2" SMS SCREW (JAMB TO SASH)	4" FROM CORNERS & MAX. 10" O.C.
17	-	#8 x 5/8" PAN HEAD SMS SCREW	3 PER INSTALLATION CLIP INTO JAMB
18	-	#10 SMS SCREW WITH MINIMUM 1 3/8" EMBED INTO THE BUCK (JAMB TO BUCK)	4" FROM CORNERS & MAX. 12" O.C.
19	-	#8 x 1 1/4" SMS SCREW	2 PER CLIP INTO BUCK (1 EA. SIDE OF BUCK)
20	-	S/STL #8 x 1 1/4" SMS SCREW OR 1 5/8" DRYWALL SCREWS	4" FROM ENDS & MAX. 10 1/2" O.C. WITH FIN
21	-	#6 x 3/4" SMS SCREW	3" FROM CORNERS & 8" O.C.
21A	-	#6 x 3/4" SMS SCREW	2" FROM CORNERS & 12" O.C.
22	-	#6 x 1 5/8" SMS SCREW	3" FROM CORNERS & 8" O.C.
23	-	#8 x 1 1/4" SMS	3" FROM CORNERS & 12" O.C.
24	-	3/8" LONG STAPLE	3" FROM CORNERS & MAX. 8" O.C
25A	-	#8 x 2" SMS SCREW	4 @ EA. RECTANGULAR JAMB CORNER & 2 AT EA. RECTANGULAR SASH CORNER
25B	-	#8 x 1 1/2" SMS SCREW	3 @ EACH RADIUS JAMB CORNER & 2 AT EA. RADIAL SASH CORNER
26	-	#6 x 3/4" SMS SCREW	2 @ EA. JAMB CLAD CORNER 1 @ EA. SASH CLAD CORNER

MATERIAL LIST			
PART NO.	REF. NO.	DESCRIPTION	NOTES
SEALANTS			
28	-	DOW 995 SILICONE	FOR 1/2" GLAZING BITE
29	-	DOW 1199 STRUCTURAL SILICONE ADHESIVE	CONTINUOUS CLADDING TO JAMB & SASH
OTHER			
30	-	NORTON NORGLAZE .0625" X .437" GLAZING TAPE	POLYOLEFIN FOAM W/ ACRYLIC ADHESIVE
31	-	TREMCO 440 BUTYL TAPE GASKET	TRIM OFF AT EDGES (TYP. AT CLAD CORNERS)
35	-	1/2" LAMINATED HEAT. STR. GLASS NEBULA GLASSLAM SAFETY-PLUS	3/16" HEAT STR./0.06 RESIN/0.01 P.E.T./ 0.06 RESIN/3/16" HEAT STR.
36	-	5/32" THICK TEMPERED GLASS	
37	-	1/4" THICK TEMPERED GLASS	

ALL WOOD USED WITH TESTED UNITS IS MINIMUM GRADE 2
PONDEROSA PINE. ALTERNATE WOOD SPECIES ACCEPTABLE
WITH THIS PRODUCT ARE THE FOLLOWING MINIMUM GRADE 2
WOODS: 1. MAHOGANY
2. OAK
3. CHERRY
4. CYPRUS
5. DOUGLAS FIR
6. MAPLE
7. TEAK

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **SEP 20 2001**
BY *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *01-1030-01*

DRAWING NO. 1003B	REV.	SHEET NO. 00 OF 00	CERTIFICATION APR 04 2001  WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING TITLE ALUMINUM CLAD WOOD SASH GLAZED FIXED WINDOWS (DADE)	CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE; SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012	NO.	REVISION DESCRIPTION	BY	DATE	PLOT: FULL	DRAWN BY: T.M.H.	DATE: 08/23/00
												CHECKED BY: W.W.S.	DATE: 08/23/00